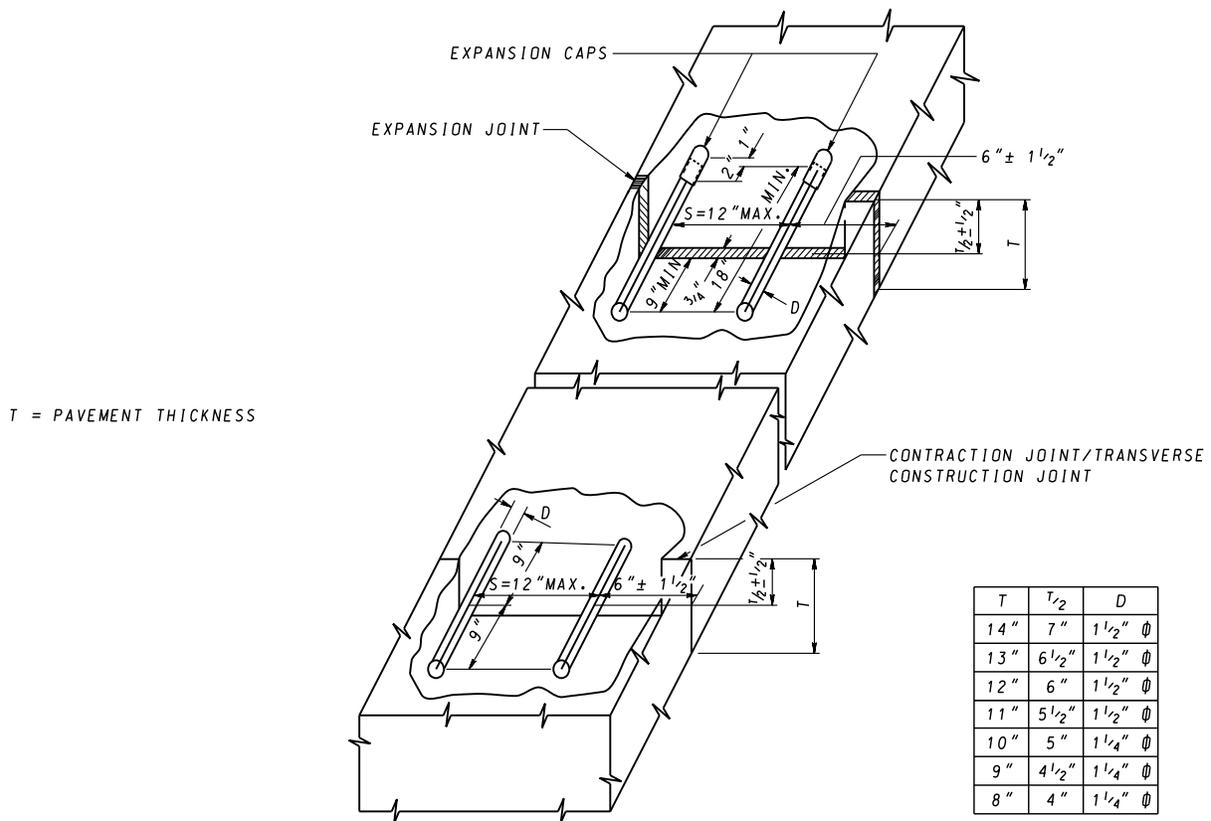


**NOTES**

1. DOWELS SHALL BE ASSEMBLED IN A RIGID FRAMEWORK OF A LENGTH EQUAL TO A LANE WIDTH. THE EXPANSION JOINT FRAMEWORK SHALL PROVIDE ADEQUATE SUPPORT TO MAINTAIN THE PREMOLDED JOINT FILLER IN THE PROPER HORIZONTAL AND VERTICAL ALIGNMENT.
2. APPROVED FASTENERS SHALL BE USED TO SECURE THE FRAMEWORK AGAINST ANY MOVEMENT ALONG THE SUBGRADE.
3. THE DOWELS AND SUPPORTING FRAMEWORK SHALL BE STABLE AGAINST OVERTURNING, INDEPENDENT OF ANY APPROVED FASTENERS.
4. THE FREE MOVING OR UNANCHORED END OF ALL DOWEL BARS IN BOTH CONTRACTION AND EXPANSION JOINTS SHALL BE COATED WITH APPROVED LUBRICANT APPLIED WITH A GLOVED HAND. THIS SAME END OF ALL EXPANSION JOINT DOWEL BARS SHALL BE CAPPED WITH A SNUG FITTING CLOSED END METAL EXPANSION SLEEVE TEMPORARILY SECURED TO THE BAR SO AS TO PROVIDE A 1" LONG OPEN SOCKET BEYOND THE BAR END AND TO LAP BACK 2" ON THE BAR AT THE TIME OF INSTALLATION.
5. THE DOWEL (D) SIZES SHOWN BELOW WILL BE USED FOR THE PAVEMENT THICKNESS INDICATED UNLESS OTHERWISE STATED IN THE SPECIAL PROVISIONS.
6. SEE 908.02 FOR DOWEL BAR MATERIAL SPECIFICATIONS.
7. DOWEL BAR TO BE 18". BAR SHALL BE CENTERED.



T	T <sub>1/2</sub>	D
14"	7"	1 1/2" Ø
13"	6 1/2"	1 1/2" Ø
12"	6"	1 1/2" Ø
11"	5 1/2"	1 1/2" Ø
10"	5"	1 1/4" Ø
9"	4 1/2"	1 1/4" Ø
8"	4"	1 1/4" Ø

**NEW CONCRETE OR PATCHING EXISTING CONCRETE**

SPECIFICATION	CATEGORY CODE ITEMS
APPROVED	<i>[Signature]</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT
	APPROVAL • SHA REVISIONS
	APPROVAL 1-11-61
	REVISED 2-25-16
	REVISED

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**JOINTED CONCRETE PAVEMENT**  
**REQUIREMENT FOR LOAD TRANSFER DEVICES**

**STANDARD NO.**

**MD 572.21**